Which of the following statement is correct about below code?

```
public class Test {
    public static void main(String[] args) {
        do {
            System.out.println(100);
        } while (false);
        System.out.println("Bye");
    }
}
```

- A Compiles successfully and prints "Bye"
- B Compiles successfully and prints 100 in infinite loop
- C Unreachable code compilation error
- D 100 Bye

```
public class Test {
    public static void main(String[] args) {
        int [] arr = {2, 1, 0};
        for(int i : arr) {
            System.out.println(arr[i]);
        }
    }
}
A-012
B-210
```

- $\hbox{$C$-ArrayIndexOutOfBoundsException is thrown at runtime}$
- D Compilation error

```
public class Test {
    public static void main(String[] args) {
        int [] arr = {3, 2, 1};
        for(int i : arr) {
            System.out.println(arr[i]);
        }
    }
}
A - 3 2 1
```

- B Compilation error
- $\hbox{$C$-ArrayIndexOutOfBoundsException is thrown at runtime}$
- D-123

```
public class Test {
    public static void main(String[] args) {
        int x = 5;
        while (x < 10)
            System.out.println(x);
            x++;
    }
}</pre>
A - 5 6 7 8 9
```

- B It will go in an infinite loop
- C Compilation error
- D Produces no output

Consider given code:

For the class Test, which options, if used to replace /*INSERT*/, will print "apple mango orange grape" on to the console?

Select ALL that apply.

```
A -
for(int i = 1; i <= fruits.length; i++)</pre>
  for(int j = 1; j <= fruits[i].length ; j++)</pre>
    System.out.print(fruits[i][j] + " ");
В-
for(int i = 0; i < fruits.length; i++)</pre>
  for(int j = 0; j < fruits[i].length ; <math>j++)
    System.out.print(fruits[i][j] + " ");
C -
for(String [] arr : fruits)
  for(String fruit : arr)
    System.out.print(fruit + " ");
D-
for(int i = 1; i < fruits.length; i++)</pre>
  for(int j = 1; j < fruits[i].length ; j++)</pre>
    System.out.print(fruits[i][j] + " ");
```

Which of the following statement is correct for below code?

```
public class Test {
    public static void main(String[] args) {
        final boolean flag = false;
        while(flag) {
            System.out.println("Good Morning!");
        }
    }
}
```

- A Compilation error
- B It will print "Good Morning!" once
- C Program compiles and executes successfully but produces no output
- D Infinite loop

```
public class Test {
     public static void main(String[] args) {
         int start = 1;
         int sum = 0;
         do {
             if(start % 2 == 0) {
                 continue;
             sum += start;
         } while(++start <= 10);</pre>
         System.out.println(sum);
     }
}
A - 25
B - 24
C - Compilation error
D - 55
```

D - 0

```
public class Test {
    public static void main(String[] args) {
        for(int i=0; i<=2; i++){}
        System.out.println(i);
    }
}
A - Compilation error
B - 2
C - 3</pre>
```

- A Compilation error
- B Total 50 rows will be there in the output
- C Total 100 rows will be there in the output
- D Total 5 rows will be there in the output

Which of the following statement is correct for below code?

```
public class Test {
    public static void main(String[] args) {
        final boolean flag;
        flag = false;
        while(flag) {
            System.out.println("Good Morning!");
        }
    }
}
```

- A It will print "Good Morning!" once.
- B Infinite loop.
- C Compilation error.
- D Program compiles and executes successfully but produces no output.

```
public class Test {
    public static void main(String[] args) {
        int i;
        for(i=0; i<=2; i++){}
        System.out.println(i);
    }
}
A-2
B-3
C-Compilation error
D-0</pre>
```

- A Compilation error.
- B Prints 5 once.
- C Prints 5 in an infinite loop.
- D-5321

Which of the following statement is correct about below code?

```
public class Test {
    public static void main(String[] args) {
        do {
            System.out.println(100);
        } while (true);

        System.out.println("Bye");
        }
}
```

- A Compiles successfully and prints "Bye"
- B Compiles successfully and prints 100 in infinite loop
- C Unreachable code compilation error
- D 100 Bye

Consider below code of Test.java file:

```
public class Test {
    public static void main(String[] args) {
        String [][] arr = { {"%", "$$"}, {"***", "@@@@",
            "######"}};
    for(String [] str : arr) {
            for(String s : str) {
                System.out.println(s);
                 if(s.length() == 4) //Line n1
                      break; //Line n2
            }
            break; //Line n3
        }
}
```

What will be the result of compiling and executing Test class?

```
A -
%
$$
***
0000
В-
%
$$
C -
%
$$
***
D -
%
E -
%
$$
***
0000
```

#######

Consider below code of Test.java file:

- A 1
- B 121
- C 212
- D 21
- E Compilation error
- F 221
- G 12
- H 112

Consider below code of Test.java file:

```
public class Test {
   public static void main(String[] args) {
       int i = 1;
       int j = 5;
       int k = 0;
       A: while(true) {
           i++;
           B: while(true) {
               j--;
               C: while(true) {
                   k += i + j;
                   if(i == j)
                       break A;
                   else if (i > j)
                       continue A;
                   else
                       continue B;
               }
           }
       System.out.println(k);
```

- A 15
- B Compilation error
- C 6
- D 11
- E Program never terminates as above code causes infinite loop
- F None of the other options

Consider below code of Test.java file:

```
public class Test {
    public static void main(String[] args) {
        int i = 0;
        for(System.out.print(i++); i < 2; System.out.print(i++)) {
            System.out.print(i);
        }
    }
}</pre>
```

What will be the result of compiling and executing Test class?

A - Compilation error

B - 012

C - 011

D - 12

E - 01

F - 112

Consider below code of Test.java file:

```
public class Test {
   public static void main(String[] args) {
       int ctr = 100;
       one: for (int i = 0; i < 10; i++) {
           two: for (int j = 0; j < 7; j++) {
               three: while (true) {
                   ctr++;
                   if (i > j) {
                      break one;
                   } else if (i == j) {
                      break two;
                   } else {
                      break three;
               }
           }
       System.out.println(ctr);
}
```

What will be the result of compiling and executing Test class?

A - 106

B - 105

C - 101

D - 102

E - 100

F - 103

G - Compilation error

H - 104

Consider below code of Test.java file:

```
public class Test {
    public static void main(String[] args) {
        int elements = 0;
        Object [] arr = {"A", "E", "I", new Object(), "O", "U"};
        //Line n1
        for(Object obj : arr) { //Line n2
            if(obj instanceof String) {
                 continue;
            } else {
                 break;
            }
                 elements++; //Line n3
            }
            System.out.println(elements); //Line n4
        }
}
```

- A Compilation error at Line n3
- B 5
- C Compilation error at Line n4
- D Compilation error at Line n2
- E 1
- F 3
- G-6
- H Compilation error at Line n1

Consider below code of Test.java file:

- A Program terminates successfully but nothing is printed on to the console
- B Program terminates successfully after printing 123 on to the console
- C Program terminates successfully after printing 1231 on to the console
- D Compilation error
- E Program terminates successfully after printing 121 on to the console
- F Program terminates successfully after printing 1 on to the console
- G Program terminates successfully after printing 0120 on to the console
- H Program terminates successfully after printing 12 on to the console

Consider below code of Test.java file:

What will be the result of compiling and executing Test class?

A - Compilation error

B - 33

C - 33 32

D - 32

E - 34